

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/006139

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> A61K47/04, 31/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> A61K47/04, 31/50

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CAPLUS (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | David D. Hile et al., Active growth delivery from poly(D,L-lactide-co-glycolide) foams prepared in supercritical CO <sub>2</sub> , Journal of Controlled Release, 2000, Vol.66, pages 177 to 185 | 1-20                  |
| Y         | Petra Sencâr-Bozic et al., Improvement of nifedipine dissolution characteristics using supercritical CO <sub>2</sub> , International Journal of Pharmaceutics, 1997, Vol.148, pages 123 to 130   | 1-20                  |

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
23 July, 2004 (23.07.04)Date of mailing of the international search report  
10 August, 2004 (10.08.04)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|-----------|--|-----------------------|
| Y         | JP 2002-345940 A (Zaidan Hojin Kagawa Sangyo Shien Zaidan),<br>03 December, 2002 (03.12.02),<br>Particularly, Claims; examples; page 5, right column, line 29 to page 6, left column, line 12 (Family: none)   | 1-20                  |
| Y         | JP 61-227520 A (Daiichi Pharmaceutical Co., Ltd., Watanabe Kogyo Kabushiki Kaisha),<br>09 October, 1986 (09.10.86),<br>Particularly, Claims; page 1, right column, line 11 to page 2, upper left column, line 6; page 2, upper right column, line 15 to lower left column, line 1 (Family: none) | 1-20                  |
| Y         | JP 6-040714 A (Shionogi & Co., Ltd.),<br>15 February, 1994 (15.02.94),<br>Particularly, Claims; page 4, right column, lines 37 to 43 (Family: none)  | 1-20                  |
| Y         | JP 2000-198776 A (Kowa Co., Ltd.),<br>18 July, 2000 (18.07.00),<br>Particularly, Claims; examples<br>& WO 99/025697 A1 & JP 11-152274 A<br>& EP 1043317 A1 & US 6348468 B1<br>& US 2002/0123496 A1   | 9                     |
| A         | WO 02/051381 A1 (Takeda Chemical Industries, Ltd.),<br>04 July, 2002 (04.07.02),<br>& JP 2002-302435 A & EP 1354581 A<br>& CA 2433169 A  | 1-20                  |
| A         | WO 02/20624 A1 (FERRO CORP.),<br>14 March, 2002 (14.03.02),<br>& AU 8524201 A  | 1-20                  |
| A         | WO 2002/060411 A1 (Board of Regents, the University of Texas System),<br>08 August, 2002 (08.08.02),<br>& JP 2004-517699 A & EP 1357900 A2<br>& US 2003/041602 A1 & US 2004/022861 A1<br>& CA 2436418 A1   | 1-20                  |